

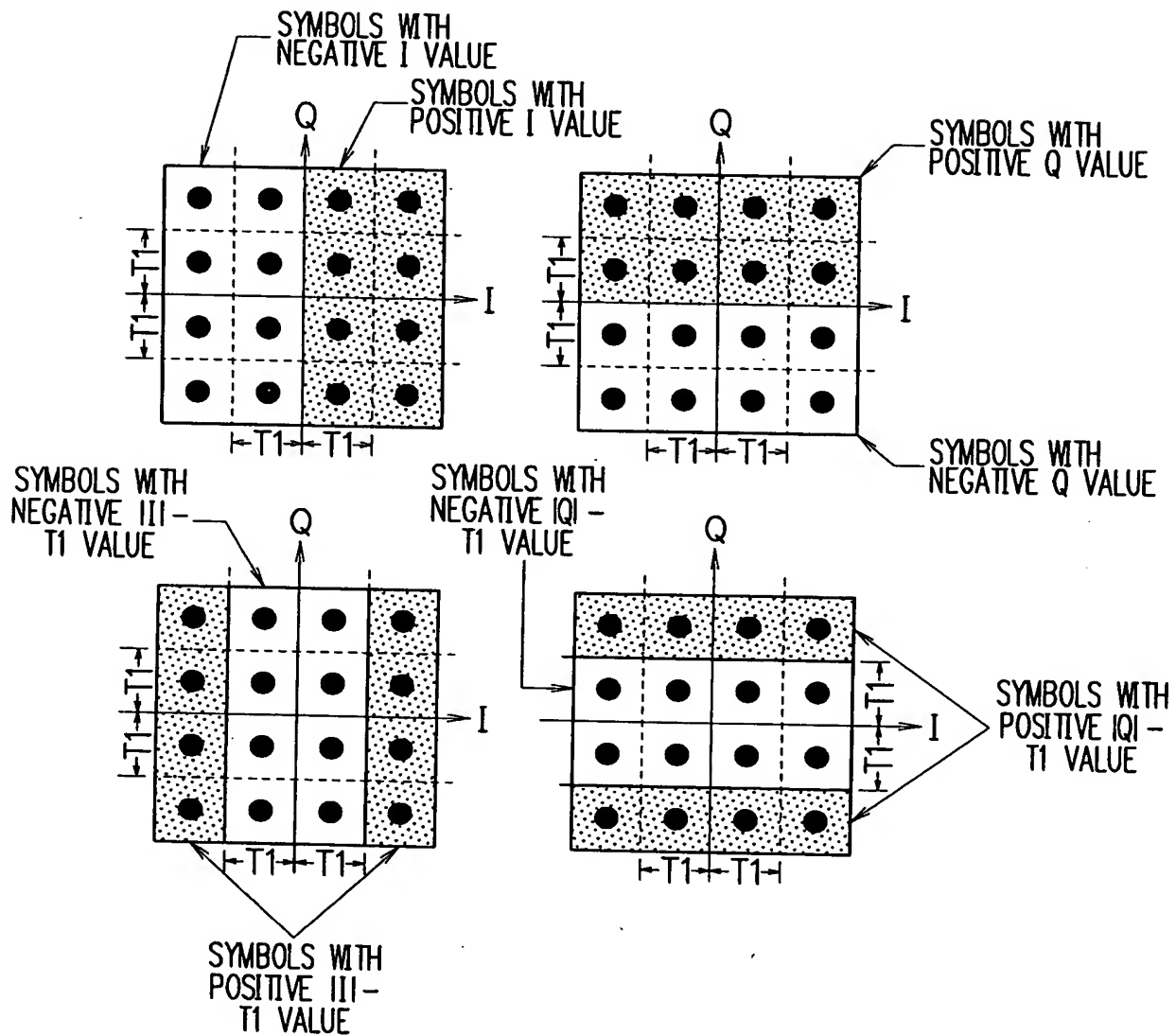
DEMODULATION OF A MULTI-LEVEL
QUADRATURE AMPLITUDE
MODULATION SIGNAL

Rene Becker, et al.

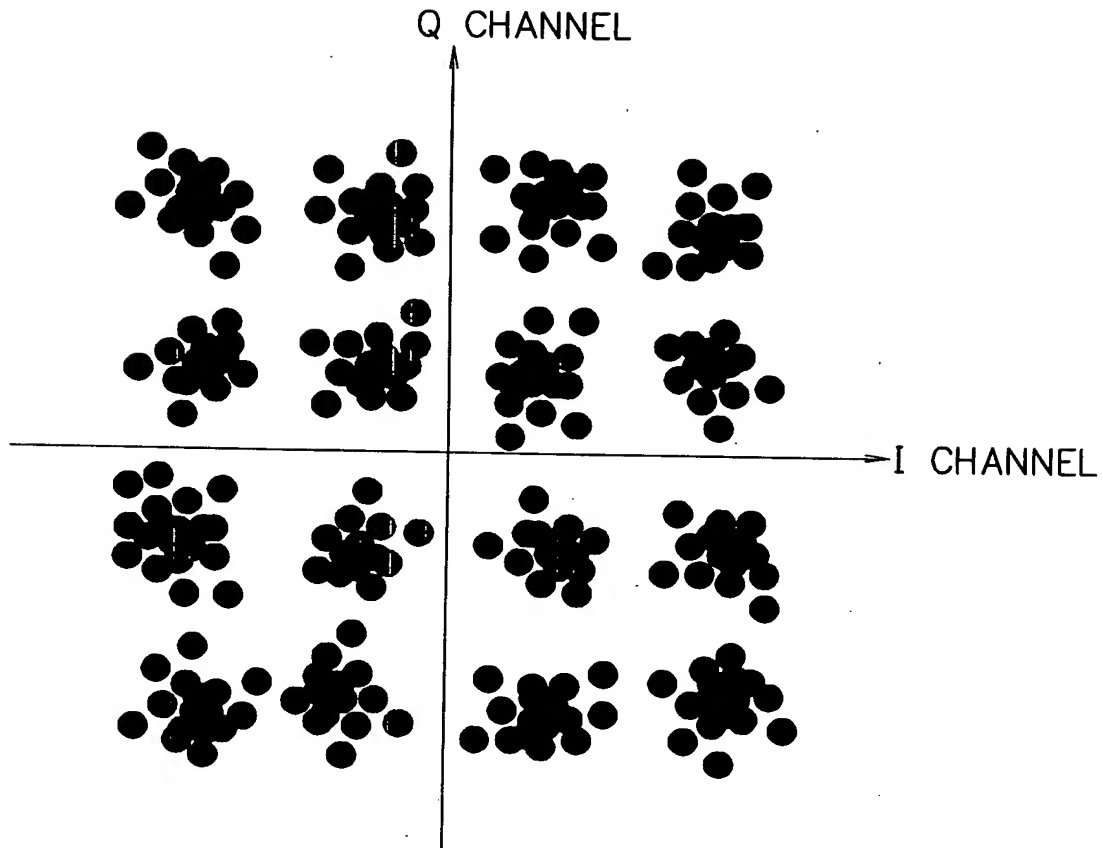
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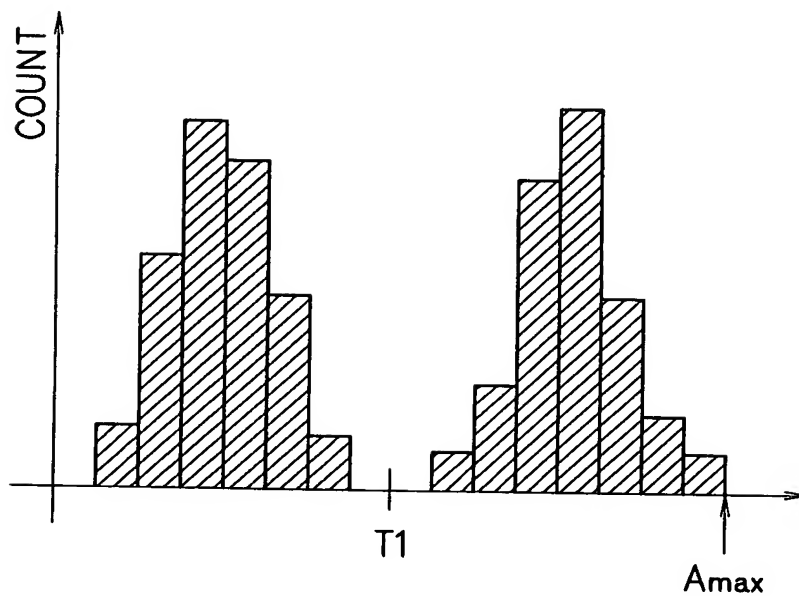
F I G. 1



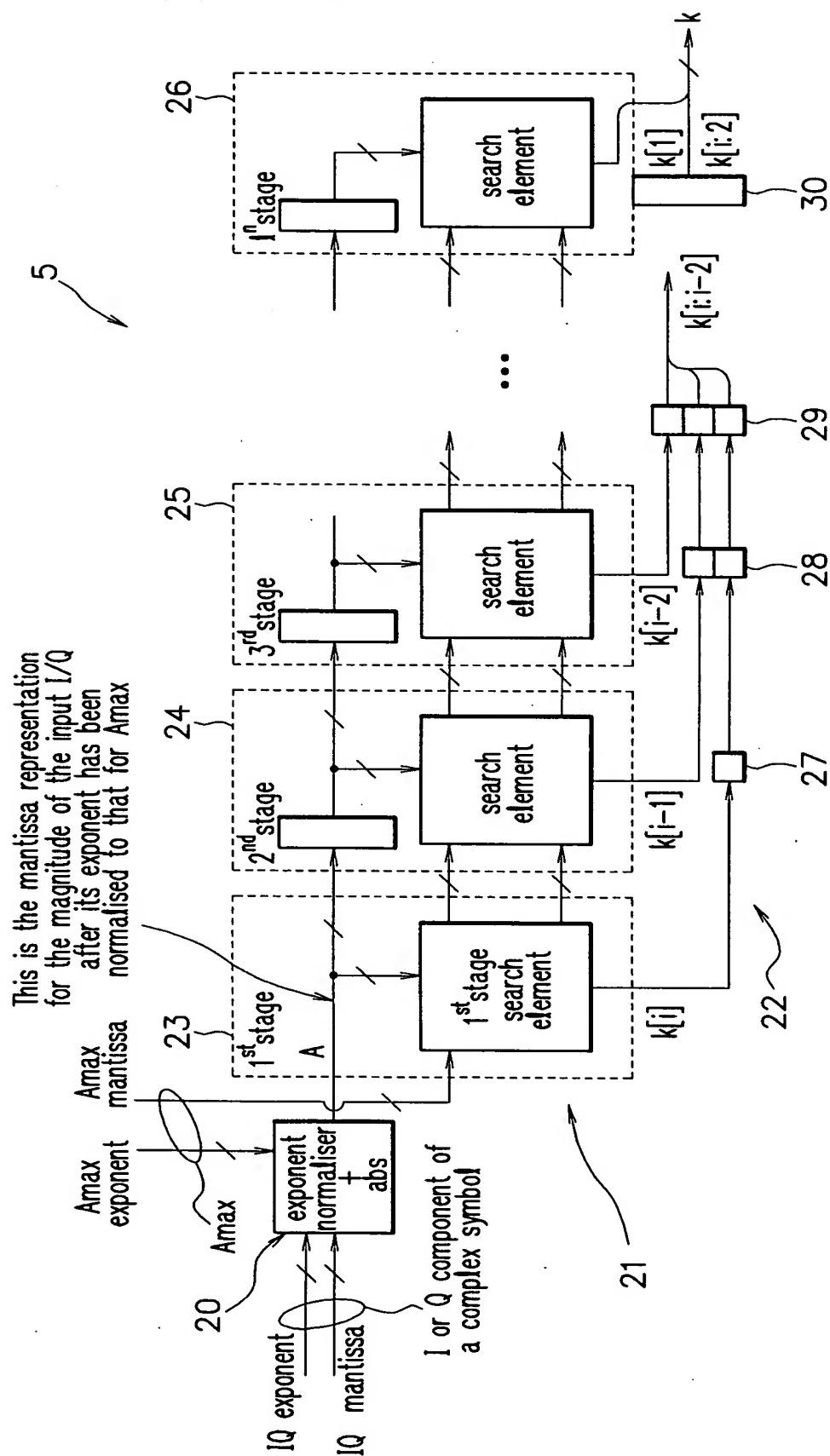
F I G. 2



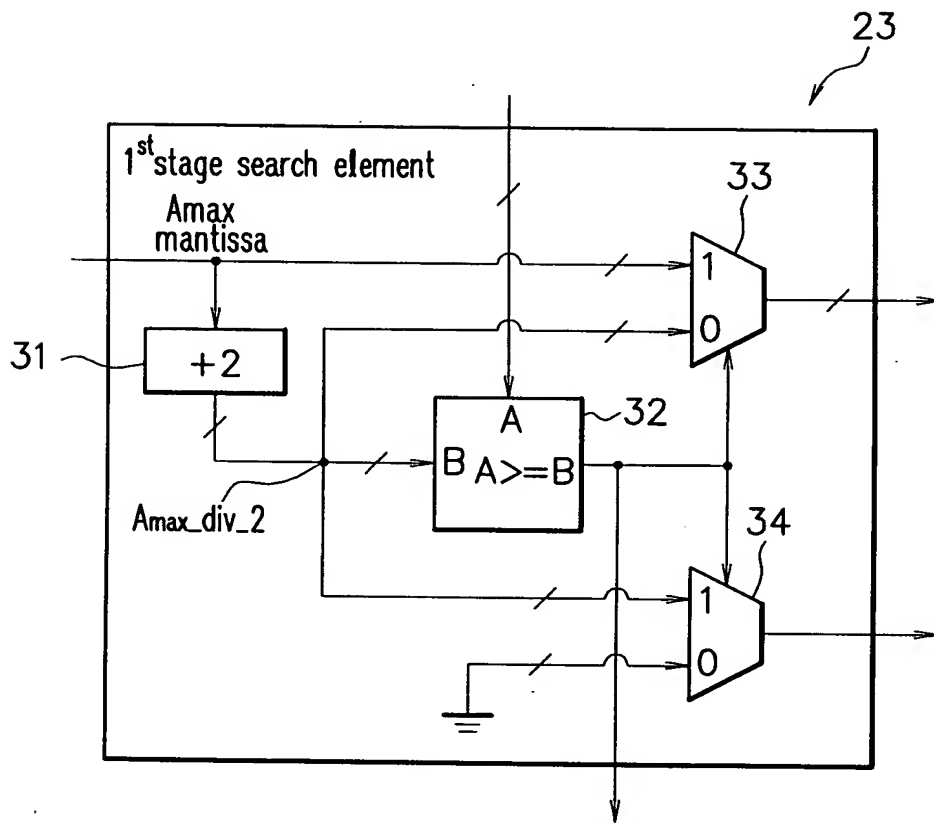
F I G. 3



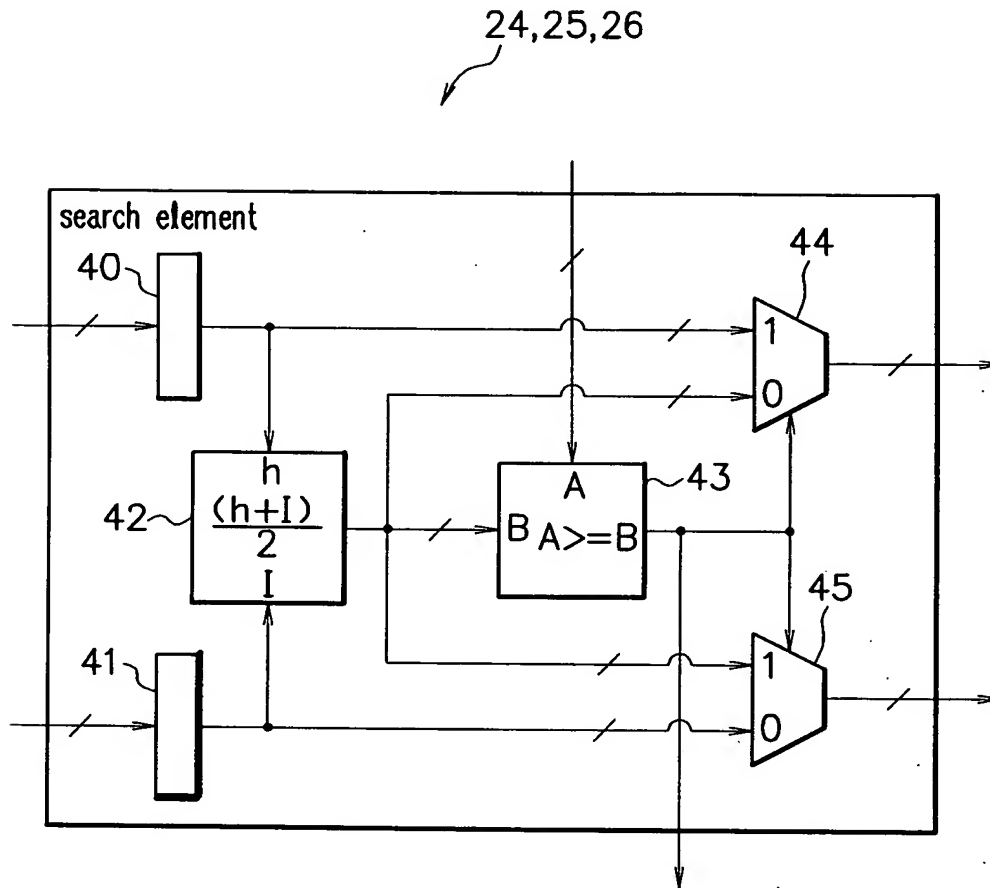
5



F I G. 5



F I G. 6



The diagram illustrates a 2D array structure used for binary tree traversal. The vertical axis on the left is labeled with values: 0, $1/4 A_{max}$, $1/2 A_{max}$, $3/4 A_{max}$, and A_{max} . The horizontal axis at the bottom is labeled with values: 0, $1/4 W$, $1/2 W$, $3/4 W$, and W . The array is divided into four quadrants by a horizontal line at $1/2 A_{max}$ and a vertical line at $1/2 W$. The top-left quadrant is shaded with a stippled pattern, representing '1's. The top-right quadrant is divided into four sub-quadrants, each containing a smaller stippled area. The bottom-left quadrant is divided into four sub-quadrants, each containing a smaller stippled area. The bottom-right quadrant is divided into four sub-quadrants, each containing a smaller stippled area. A legend at the bottom indicates that the stippled pattern represents a '1' and the white area represents a '0'. Two arrows point to the top-left corner of the array: one labeled 'Value for the most significant bit of index k' and another labeled 'Value for the least significant bit of index k'. A specific index $k = "0110"$ is shown with an arrow pointing to a small circle at the intersection of the horizontal line at $1/2 A_{max}$ and the vertical line at $1/2 W$.

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